



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

646.4001

Job Sheet 199189



Part No: 646.4001

Job Qty: 1 pcs

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/14/19

Job Tracking No:

Due Date: 9/16/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B  
DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op<br>No | Operation              | Qty   | Start Date | Due<br>Date | Standard             | Workcenter/Supplier   |           | Sign-off |
|----------|------------------------|-------|------------|-------------|----------------------|-----------------------|-----------|----------|
|          |                        |       |            |             | Setup Run<br>Hrs Hrs | Workcenter / Supplier | Lead Time |          |
| 110      | Packaging 1 - Pick Kit | 1 pcs | 9/16/19    |             | 0.00 0.00            | Packaging 1 - 1       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 2       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 3       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 4       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 5       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 6       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 7       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 8       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 9       |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 10      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 11      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 12      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 13      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 14      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 15      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 16      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 17      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 18      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 19      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 20      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 21      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 22      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 23      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 24      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 25      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 26      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 27      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 28      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 29      |           |          |
|          |                        |       |            |             |                      | Packaging 1 - 30      |           |          |

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Container No: S211378

Part: 646.4001

Job No: 199189

Serial No/Batch: S211378

Revision:

Inspector:

Exp Date:

02/01/2020

Instructions: FAA STC SR02180LA 14/09/07, 14/09/08, 14/09/09, 14/09/10, 14/09/11, 14/09/12, 14/09/13, 14/09/14, 14/09/15, 14/09/16, 14/09/17, 14/09/18, 14/09/19, 14/09/20, 14/09/21, 14/09/22, 14/09/23, 14/09/24, 14/09/25, 14/09/26, 14/09/27, 14/09/28, 14/09/29, 14/09/30

Plex 8/14/19 10:24 AM Dart.lajeunesse.marie

8/14/2019

## [Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

|                        |       |         |           |                                 |       |
|------------------------|-------|---------|-----------|---------------------------------|-------|
| 120 QC 4               | 1 pcs | 9/16/19 | 0.00 0.00 | Packaging 1 - 31                |       |
|                        |       |         |           | Packaging 1 - 32                |       |
|                        |       |         |           | Packaging 1 - 33                |       |
|                        |       |         |           | Packaging 1 - 34                |       |
|                        |       |         |           | Packaging 1 - 35                |       |
|                        |       |         |           | Packaging 1 - 36                |       |
|                        |       |         |           | QC 4 - 28                       |       |
|                        |       |         |           | QC 4 - 58                       |       |
|                        |       |         |           | QC 4 - 69                       |       |
|                        |       |         |           | QC 4 - 9                        |       |
|                        |       |         |           | QC 4 - 46                       |       |
|                        |       |         |           | QC 4 - 68                       |       |
|                        |       |         |           | QC 4 - 72                       |       |
|                        |       |         |           | QC 4 - 74                       |       |
|                        |       |         |           | QC 4 - 75                       |       |
|                        |       |         |           | 130 Packaging 3-1 - Stock - B4B | 1 pcs |
| Packaging 3 - 2 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 3 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 4 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 5 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 6 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 7 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 8 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 9 - B4B  |       |         |           |                                 |       |
| Packaging 3 - 10 - B4B |       |         |           |                                 |       |
| Packaging 3 - 11 - B4B |       |         |           |                                 |       |
| Packaging 3 - 12 - B4B |       |         |           |                                 |       |
| Packaging 3 - 13 - B4B |       |         |           |                                 |       |
| Packaging 3 - 14 - B4B |       |         |           |                                 |       |
| Packaging 3 - 15 - B4B |       |         |           |                                 |       |
| Packaging 3 - 16 - B4B |       |         |           |                                 |       |
| Packaging 3 - 17 - B4B |       |         |           |                                 |       |
| Packaging 3 - 18 - B4B |       |         |           |                                 |       |
| Packaging 3 - 19 - B4B |       |         |           |                                 |       |
| Packaging 3 - 20 - B4B |       |         |           |                                 |       |
| Packaging 3 - 21 - B4B |       |         |           |                                 |       |
| Packaging 3 - 22 - B4B |       |         |           |                                 |       |
| Packaging 3 - 23 - B4B |       |         |           |                                 |       |
| Packaging 3 - 24 - B4B |       |         |           |                                 |       |
| Packaging 3 - 25 - B4B |       |         |           |                                 |       |
| Packaging 3 - 26 - B4B |       |         |           |                                 |       |
| Packaging 3 - 27 - B4B |       |         |           |                                 |       |
| Packaging 3 - 28 - B4B |       |         |           |                                 |       |
| Packaging 3 - 29 - B4B |       |         |           |                                 |       |
| Packaging 3 - 30 - B4B |       |         |           |                                 |       |
| Packaging 3 - 31 - B4B |       |         |           |                                 |       |
| Packaging 3 - 32 - B4B |       |         |           |                                 |       |
| Packaging 3 - 33 - B4B |       |         |           |                                 |       |
| Packaging 3 - 34 - B4B |       |         |           |                                 |       |
| Packaging 3 - 35 - B4B |       |         |           |                                 |       |
| Packaging 3 - 36 - B4B |       |         |           |                                 |       |
| 135 DC - 1 - B4B       | 1 pcs | 9/16/19 | 0.00 0.00 | DC - 1 - B4B                    |       |
|                        |       |         |           | DC - 2 - B4B                    |       |
| 140 QC 21 - FG         | 1 pcs | 9/16/19 | 0.00 0.00 | QC 21 - FG - 21                 |       |
|                        |       |         |           | QC 21 - FG - 70                 |       |
|                        |       |         |           | QC 21 - FG - 53                 |       |

Part Op 110 - pick kit

Descriptions: 120 - QC4- 100% Inspect kits for completeness

130 - Identify and pack for shipping as per PPP 646.4001 Location:

DAS  
21  
9-09

SEP 06 2019

DAS  
21  
9-09

SEP 06 2019

M.B.

9/6/  
2019

WL v

DAS  
21  
9-89  
DAS  
21  
9-89SEP 06 2019  
SEP 06 2019

135 - Document Control - Photocopy bluefile &amp; type labels per PPP 646.4001

140 - QC21- Final Inspection - Work Order Release

## Job BOM

| Part / Item    | Component Name                        | Quantity      | Operation                  | Container |
|----------------|---------------------------------------|---------------|----------------------------|-----------|
| 600.0129       | VHB Tape                              | 8 ft (8 ea)   | 110-Packaging 1 - Pick Kit | 51580410  |
| 600.0990       | Magnabond 6398 Part A Size 112 ml     | 1 Ea (1 ea)   | 110-Packaging 1 - Pick Kit | 5200122   |
| 600.0991       | Magnabond 6398 Part B Size 112 ml     | 1 Ea (1 ea)   | 110-Packaging 1 - Pick Kit | 5200122   |
| 600.1012       | Sealant PR1425B2 (#654 sem)           | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5183934   |
| 600.1013       | 021200-3M Tape Primer 94 Primer 24216 | 5 Ea (5 ea)   | 110-Packaging 1 - Pick Kit | 5166742   |
| 646.2910       | Deflector                             | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3001       | Lower Cable Cutter Assembly           | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5203900   |
| 646.3110       | Channel                               | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5192331   |
| 646.3210       | Support                               | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5133298   |
| 646.3301       | Upper Cutter Assembly                 | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 52055     |
| 646.3510       | Strut                                 | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3511       | Strut                                 | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3610       | Filter                                | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3710       | Doubler                               | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 52055     |
| 646.3711       | Clip                                  | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3712       | Clip                                  | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3713       | Gusset                                | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5192331   |
| 646.3714       | Gusset                                | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5192331   |
| 646.3715       | Strut Doubler                         | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5166742   |
| 646.3716       | Gauge Bracket                         | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5171190   |
| 646.3717       | Doubler                               | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5143196   |
| 646.3718       | Custom Washer                         | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5207579   |
| 646.3719       | Doubler                               | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5202485   |
| 646.3810       | Bracket                               | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5182103   |
| 646.3811       | Radius Block                          | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5106010   |
| 646.3812       | Gusset Bracket                        | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5183359   |
| 646.3813       | AS350 Strut Bracket                   | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5172011   |
| 646.3810       | Shim                                  | 4 pcs (4 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3911       | Shim                                  | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3912       | Shim                                  | 4 pcs (4 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3913       | Shim                                  | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 646.3914       | Shim                                  | 1 pcs (1 ea)  | 110-Packaging 1 - Pick Kit | 5185161   |
| 647.0112       | Strut Bracket                         | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5166742   |
| 647.7703       | Strut Assembly                        | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5203054   |
| 650.9201       | Eyelet Bracket Assembly               | 2 pcs (2 ea)  | 110-Packaging 1 - Pick Kit | 5175161   |
| AN3-11A        | Bolt                                  | 10 Ea (10 ea) | 110-Packaging 1 - Pick Kit | 5140007   |
| AN3-12A        | Bolt                                  | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5166742   |
| AN3-13A        | Bolt                                  | 1 Ea (1 ea)   | 110-Packaging 1 - Pick Kit | 5166742   |
| AN3-3A         | Bolt                                  | 4 Ea (4 ea)   | 110-Packaging 1 - Pick Kit | 5192143   |
| AN3-4A         | Bolt                                  | 10 Ea (10 ea) | 110-Packaging 1 - Pick Kit | 5167143   |
| AN3-5A         | Bolt                                  | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5149155   |
| AN3-6A         | Bolt                                  | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5149155   |
| AN316C4R       | Nut, Jam                              | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5190106   |
| AN44-5A        | Eyebolt                               | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5167143   |
| AN407A         | Bolt                                  | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5140007   |
| AN665-34R      | Clevis                                | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5100007   |
| CCR264SS3-02   | Cherry Rivet                          | 36 Ea (36 ea) | 110-Packaging 1 - Pick Kit | 5103333   |
| QR3213-5-3     | Cherry Rivet                          | 14 Ea (14 ea) | 110-Packaging 1 - Pick Kit | 5185161   |
| MS20426AD5-7   | Rivet                                 | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5132143   |
| MS20470AD5-5-5 | Rivet                                 | 8 Ea (8 ea)   | 110-Packaging 1 - Pick Kit | 5155635   |
| MS20470AD5-7   | Rivet                                 | 8 Ea (8 ea)   | 110-Packaging 1 - Pick Kit | 5140007   |
| MS20470AD5-7   | Rivet                                 | 3 Ea (3 ea)   | 110-Packaging 1 - Pick Kit | 520325    |
| MS21042L08     | Nut                                   | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5205600   |
| MS21042L3      | Nut                                   | 63 Ea (63 ea) | 110-Packaging 1 - Pick Kit | 5204283   |
| MS21042L4      | Nut                                   | 2 Ea (2 ea)   | 110-Packaging 1 - Pick Kit | 5192143   |
| MS21047-3      | Nut Plate                             | 18 Ea (18 ea) | 110-Packaging 1 - Pick Kit | 5167143   |
| MS24693-C278   | Screw                                 | 5 Ea (5 ea)   | 110-Packaging 1 - Pick Kit | 5155635   |



|               |                     |                 |                            |
|---------------|---------------------|-----------------|----------------------------|
| MS24694-S51   | Screw               | 5 Ea (5 ea)     | 110-Packaging 1 - Pick Kit |
| MS24694-S51   | Screw               | 2 Ea (2 ea)     | 110-Packaging 1 - Pick Kit |
| MS24694-S51   | Screw               | 3 Ea (3 ea)     | 110-Packaging 1 - Pick Kit |
| MS27039-08-13 | Screw               | 2 Ea (2 ea)     | 110-Packaging 1 - Pick Kit |
| MS27039-1-10  | Screw               | 2 Ea (2 ea)     | 110-Packaging 1 - Pick Kit |
| MS27039-1-12  | Screw               | 6 Ea (6 ea)     | 110-Packaging 1 - Pick Kit |
| MS27039-1-16  | Screw               | 24 Ea (24 ea)   | 110-Packaging 1 - Pick Kit |
| MS27039-1-19  | Screw               | 22 Ea (22 ea)   | 110-Packaging 1 - Pick Kit |
| MS27039-1-20  | Screw               | 2 Ea (2 ea)     | 110-Packaging 1 - Pick Kit |
| MS27039-1-21  | Screw               | 4 Ea (4 ea)     | 110-Packaging 1 - Pick Kit |
| NAS1149F0332P | Washer (AN960-10L)  | 144 Ea (144 ea) | 110-Packaging 1 - Pick Kit |
| NAS1149F0363P | Washer (AN960-10 )  | 2 Ea (2 ea)     | 110-Packaging 1 - Pick Kit |
| NAS1149F0432P | Washer (AN960-416L) | 4 Ea (4 ea)     | 110-Packaging 1 - Pick Kit |
| NAS1149FN832P | Washer (AN960-8 )   | 4 Ea (4 ea)     | 110-Packaging 1 - Pick Kit |

## Job Allocations

| Operation                  | Component Part | Required | Inventory | Allocated |
|----------------------------|----------------|----------|-----------|-----------|
| 110-Packaging 1 - Pick Kit | 600.0129       | 8        | 88        | 0         |
|                            | 600.0990       | 1        | 22        | 0         |
|                            | 600.0991       | 1        | 21        | 0         |
|                            | 600.1012       | 1        | 24        | 0         |
|                            | 600.1013       | 5        | 65        | 0         |
|                            | 646.2910       | 1        | 17        | 0         |
|                            | 646.3001       | 1        | 17        | 0         |
|                            | 646.3110       | 1        | 24        | 0         |
|                            | 646.3210       | 1        | 16        | 0         |
|                            | 646.3301       | 1        | 1         | 0         |
|                            | 646.3510       | 1        | 27        | 0         |
|                            | 646.3511       | 1        | 26        | 0         |
|                            | 646.3610       | 1        | 20        | 0         |
|                            | 646.3710       | 1        | 32        | 0         |
|                            | 646.3711       | 1        | 19        | 0         |
|                            | 646.3712       | 1        | 23        | 0         |
|                            | 646.3713       | 1        | 22        | 0         |
|                            | 646.3714       | 1        | 25        | 0         |
|                            | 646.3715       | 2        | 27        | 0         |
|                            | 646.3716       | 1        | 15        | 0         |
|                            | 646.3717       | 1        | 31        | 0         |
|                            | 646.3718       | 2        | 43        | 0         |
|                            | 646.3719       | 2        | 22        | 0         |
|                            | 646.3810       | 2        | 31        | 0         |
|                            | 646.3811       | 1        | 27        | 0         |
|                            | 646.3812       | 2        | 24        | 0         |
|                            | 646.3813       | 1        | 32        | 0         |
|                            | 646.3910       | 4        | 11        | 0         |
|                            | 646.3911       | 1        | 24        | 0         |
|                            | 646.3912       | 4        | 16        | 0         |
|                            | 646.3913       | 1        | 20        | 0         |
|                            | 646.9410       | 1        | 57        | 0         |
|                            | 647.0112       | 2        | 27        | 0         |
|                            | 647.7703       | 2        | 28        | 0         |
|                            | 650.9201       | 2        | 23        | 0         |
|                            | AN3-11A        | 10       | 141       | 0         |
|                            | AN3-12A        | 2        | 199       | 0         |
|                            | AN3-13A        | 1        | 39        | 0         |
|                            | AN3-3A         | 4        | 207       | 0         |
|                            | AN3-4A         | 10       | 365       | 0         |
|                            | AN3-5A         | 2        | 80        | 0         |
|                            | AN3-6A         | 2        | 301       | 0         |
|                            | AN316C4R       | 2        | 42        | 0         |
|                            | AN44-5A        | 2        | 33        | 0         |
|                            | AN4C7A         | 2        | 91        | 0         |
|                            | AN665-34R      | 2        | 30        | 0         |
|                            | CCR264SS3-02   | 36       | 460       | 0         |
|                            | CR3213-5-3     | 14       | 422       | 0         |
|                            | MS20426AD5-7   | 2        | 731       | 0         |
|                            | MS20470AD5-5-5 | 8        | 817       | 0         |
|                            | MS20470AD5-6   | 8        | 663       | 0         |
|                            | MS20470AD5-7   | 3        | 1,041     | 0         |

|               |     |       |   |
|---------------|-----|-------|---|
| MS21042L08    | 2   | 1,411 | 0 |
| MS21042L3     | 63  | 2,010 | 0 |
| MS21042L4     | 2   | 2,467 | 0 |
| MS21047-3     | 18  | 278   | 0 |
| MS24693-C278  | 5   | 131   | 0 |
| MS24694-S51   | 5   | 287   | 0 |
| MS24694-S54   | 2   | 158   | 0 |
| MS24694-S55   | 3   | 219   | 0 |
| MS27039-08-13 | 2   | 392   | 0 |
| MS27039-1-10  | 2   | 275   | 0 |
| MS27039-1-12  | 6   | 181   | 0 |
| MS27039-1-16  | 24  | 764   | 0 |
| MS27039-1-19  | 22  | 355   | 0 |
| MS27039-1-20  | 2   | 80    | 0 |
| MS27039-1-21  | 4   | 143   | 0 |
| NAS1149F0332P | 144 | 1,669 | 0 |
| NAS1149F0363P | 2   | 362   | 0 |
| NAS1149F0432P | 4   | 732   | 0 |
| NAS1149FN832P | 4   | 1,384 | 0 |

**Part Specifications**

Specifications could not be found.

Plex 8/14/19 10:24 AM Dart.lajeunesse.marie

Entered: \_\_\_\_\_ Date: \_\_\_\_\_

# WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only



|                                                                                                                                                                                                                                                                                                                                                                                     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|------------------|------------------|---------|-----------------------|---------------|-------------------|----------|-----------|-----------------|---------|--------|----------------------|------|--------|------------------------------|---------------------------------|--------------------|-------------------|---------------|-------------|-----------------|---------|------------|--------------|----------------|--|
| Job: _____<br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        |                                 | <b>DISPOSITION</b><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | <b>DEPARTMENT/PROCESS</b><br>Skid-tube <input type="checkbox"/> Cross tube <input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/><br>Machining <input type="checkbox"/> Small Fab <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/><br>Large Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                              | Sequence #:                     | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                    |                                 | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| <b>Root Cause</b><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                 | <b>FAULT CATEGORY</b><br><table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table> |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  | Pressure/Forced | Contamination | Power Loss/Surge | Positioned Wrong | Bending | Misaligned/off center | Folio/Program | Outside Tolerance | Crushing | BOM/Route | Grain Direction | Drawing | Cracks | Broken/Damage/Defect | Weld | Finish | Crimp/Kink/Ripple/Wave/Twist | Incomplete/Unclear Instructions | Wrong Stock Pulled | Part Lost/Missing | Marks/Chatter | Drill Holes | Out of Sequence | Misread | Mislabeled | Fit/Function | Off-set/Set-up |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                                 | Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Contamination     | Power Loss/Surge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Positioned Wrong |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Bending                                                                                                                                                                                                                                                                                                                                                                             | Misaligned/off center           | Folio/Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Outside Tolerance |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Crushing                                                                                                                                                                                                                                                                                                                                                                            | BOM/Route                       | Grain Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Drawing           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Cracks                                                                                                                                                                                                                                                                                                                                                                              | Broken/Damage/Defect            | Weld                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Finish            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Crimp/Kink/Ripple/Wave/Twist                                                                                                                                                                                                                                                                                                                                                        | Incomplete/Unclear Instructions | Wrong Stock Pulled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Part Lost/Missing |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                       | Drill Holes                     | Out of Sequence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Misread           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Mislabeled                                                                                                                                                                                                                                                                                                                                                                          | Fit/Function                    | Off-set/Set-up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |
| Completed By<br><br>Lead hand / Supervisor<br><br>QC / QA Coordinator                                                                                                                                                                                                                                                                                                               |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                 |               |                  |                  |         |                       |               |                   |          |           |                 |         |        |                      |      |        |                              |                                 |                    |                   |               |             |                 |         |            |              |                |  |

| 1                                                                                                                                                                                                                                                                                                                                                               |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|----|--|
| <p>THE U.S. AIR FORCE WILL REPLY TO ALL MAIL ADDRESSED TO THE AIR FORCE, AIR MAIL, BOX 100, WASHINGTON, D.C. 20330. IF YOU ARE A MEMBER OF THE AIR FORCE, YOUR ADDRESS SHOULD BE: AIR FORCE, AIR MAIL, BOX 100, WASHINGTON, D.C. 20330. IF YOU ARE A MEMBER OF THE AIR FORCE, YOUR ADDRESS SHOULD BE: AIR FORCE, AIR MAIL, BOX 100, WASHINGTON, D.C. 20330.</p> |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |    |  |
| <p>NOTES:</p>                                                                                                                                                                                                                                                                                                                                                   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |    |  |

1 AFTER INSTALLATION, APPLY F/154 A/R TO FILL GAPS AND FILE EDGES.

2. INSTALL F/N 14 WITH F/N 52 & 53.

2. 2M VHB ADHESIVE TAPE .025" THICK X .50" WIDE  
VENDOR: MCMASTER-CARR P/N 75935A651.

4. 3" TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R 25' CORE TAPE.  
VENDOR: R.S. HUGHES P/N 121200-2476.

5. REUSE FASTENERS FROM F/N 1.

6. USE WASHERS AND ANCHORS TO OBTAIN BEST RESULT.

7. AT 12 INCHES OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

5. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECTIVE MATCH DRILL HOLE. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

**9** NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 IN PLACE OF F/N 41 WHEN NECESSARY.

**UNPROFITABLE(S)**

[illegible][illegible][illegible]